

MATERIAL SAFETY DATA SHEET

Page 01 of 04

Loctite(R) Orange Hand Cleaner Smooth Lotion  
23116

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) Orange Hand Cleaner Smooth Lotion  
Item No.: 23116  
Part No.: 23-116  
Product Type: Industrial Handcleaner

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Water	7732-18-5	75-90
d-Limonene	5989-27-5	5-8
Nonoxynol-9	09016-45-9	3-5
Paraffinic hydrocarbon	8009-03-8	1-3
C12-16 Ethoxylated alcohols	68551-12-2	1-3
Propylene glycol	57-55-6	1-3

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
d-Limonene	None	None	30 ppm

  

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
---------------------------------------	----------------	---------------

3. HAZARDS IDENTIFICATION

Toxicity: None under normal conditions of use.  
Primary Routes of Entry: Skin contact, ingestion, and inhalation.  
Signs and Symptoms  
of Exposure: None under normal conditions of use. May cause eye  
irritation. Excessive use may result in skin  
irritation.  
Existing Conditions  
Aggravated by Exposure: None known

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen NTP IARC OSHA
Water	NTO	NO NO NO
d-Limonene	IRR	NO N/A NO
Nonoxynol-9	IRR	NO NO NO
Paraffinic hydrocarbon	IRR	NO NO NO
C12-16 Ethoxylated alcohols	No Data	NO NO NO

MATERIAL SAFETY DATA SHEET

Page 02 of 04

Product Name: Loctite(R) Orange Hand Cleaner Smooth Lotion  
Item No.: 23116

3. HAZARDS IDENTIFICATION

(continued)

Propylene glycol IRR NO NO NO  
-----

Abbreviations

N/A Not Applicable IRR Irritant  
NTO No Target Organs

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Call physician immediately  
Inhalation: Remove to fresh air. If symptoms persist, obtain  
medical attention.  
Skin Contact: None required.  
Eye Contact: Flush at least 15 minutes with water. Call  
physician immediately.

5. FIRE FIGHTING MEASURES

Flash Point: Greater than 145°F PMCCT  
Recommended  
Extinguishing Agents: Carbon dioxide, vfoam, dry chemical  
Special Firefighting  
Procedures: Not available  
Hazardous Products formed  
by Fire or Thermal Decomp Irritating organic vapors  
Unusual Fire or  
Explosion Hazards: None  
  
Explosive Limits:  
(% by volume in air) Lower Not available  
(% by volume in air) Upper Not available

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case  
of spill or leak: Rinse away with water or wipe up with a towel.

7. HANDLING AND STORAGE

Safe Storage: Hand cleaner should be stored between 40°F and  
100°F  
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)  
Handling: Follow all general safety precautions. Keep away  
from children.

MATERIAL SAFETY DATA SHEET

Page 03 of 04

Product Name: Loctite(R) Orange Hand Cleaner Smooth Lotion  
Item No.: 23116

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Not normally needed, but safety glasses offer increased protection.  
Skin: None normally needed.  
Ventilation: Some local ventilation may be desired for prolonged exposure in a confined area.  
Respiratory Not available

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White Viscous Lotion  
Odor: Citrus  
Boiling Point: 186°F  
pH: Not determined  
Solubility in Water: Soluble  
Specific Gravity 1.07  
Volatile Organic Compound  
(EPA Method 24) 6.6%  
Vapor Pressure: Not available  
Vapor Density: Not available  
Evaporation Rate  
(Ether = 1) Not available

10. STABILITY AND REACTIVITY

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: None  
Conditions to Avoid: Not available  
Hazardous Decomposition  
Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Follow EPA and local regulations.  
EPA Hazardous Waste Number NH - Not a RCRA Hazardous Waste Material

MATERIAL SAFETY DATA SHEET

Page 04 of 04

Product Name: Loctite(R) Orange Hand Cleaner Smooth Lotion  
Item No.: 23116

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name: Unrestricted  
Hazard Class or  
Division: Unrestricted  
Identification Number: None  
Marine Pollutant: None

IATA

Proper Shipping Name: Unrestricted  
Class or Division: Unrestricted  
UN or ID Number: None

15. REGULATORY INFORMATION

CA Proposition 65: No California Proposition 65 chemicals are known  
to be present at or above the No Significant  
Risk level.

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard: 1  
Fire Hazard: 2  
Reactivity Hazard: 0  
Specific Hazard: Does not apply

Estimated HMIS(R) Code:

Health Hazard: 1  
Flammability Hazard: 2  
Reactivity Hazards: 0  
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.  
HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared By: C.J. Michaels.  
Title: Health and Regulatory Affairs  
Company: Loctite Corp.,  
1001 Trout Brook Crossing, Rocky Hill, CT 06067.  
(24hr.) Phone: (860) 571-5100  
Revision Date: January 02, 2003 Revision: 0001